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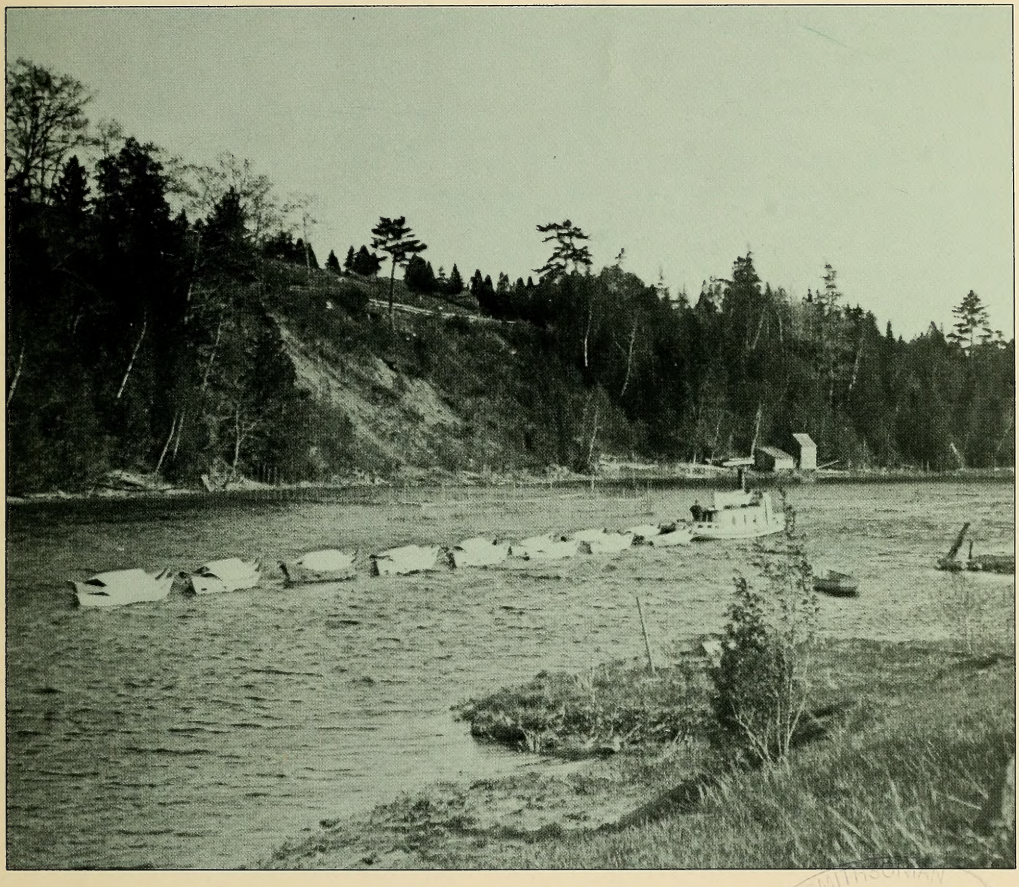
Fish and Fish Egg Distribution Report

OF THE NATIONAL FISH HATCHERY SYSTEM



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UNITED STATES DEPARTMENT OF INTERIOR
FISH AND WILDLIFE SERVICE

THE FOUNDING OF CENTURY-OLD CRAIG BROOK NATIONAL FISH HATCHERY

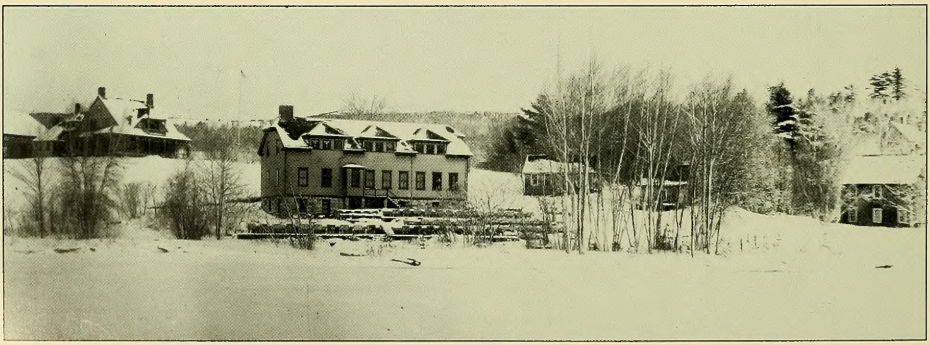
Atlantic Salmon were abundant in the free-flowing coastal rivers of colonial New England. By the Civil War period, dam building for water power and navigation to serve the industrialization of a young America, combined with many years of commercial overfishing, had reduced salmon to only a few populations in some Maine rivers.

In 1864, the State of New Hampshire invited neighboring States to join in creating a Commission to improve inland fisheries, including Atlantic salmon. By 1866 Maine, Massachusetts, Vermont, and several other States had joined. One year later salmon eggs were imported from Canada to State and private fish hatcheries to reestablish salmon in several rivers. In 1870, the Commission wanted to reduce dependency for its salmon eggs from rivers far removed from those being stocked. The Commissioner from Maine, Charles G. Atkins, was asked to seek a suitable site for obtaining salmon eggs.

Mr. Atkins experimented with varying techniques of obtaining Atlantic salmon eggs through 1872 when the newly appointed U.S. Commissioner, Spencer Fullerton Baird, joined in the efforts of the States to enlarge the hatchery operations of Mr. Atkins.

On March 2, 1889, the U.S. Congress appropriated funds for the purchase of ground, construction of buildings and ponds, and purchase of equipment for fish hatchery and rearing stations that included Craig Brook. Today and for the past few decades, the mission of the Craig Brook National Fish Hatchery is as it was at its founding—to restore Atlantic salmon to our rivers.

The cover photograph depicts Salmon cars being towed up river for culturing Atlantic salmon. The photograph inset below is a view of the Superintendent's quarters (far left), original bank of wooden troughs (left foreground), the mill converted to the first hatching house (center), and original Partridge farm house (far right). These photographs depict scenes from the turn of the century.



Fish and Fish Egg Distribution Report

OF THE NATIONAL FISH HATCHERY SYSTEM

Fiscal Year 1990/Report No.25

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16 USC 742D; PL 84-1024; 70 Stat 1121

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INTRODUCTION

Federal responsibilities for stewardship of the Nation's diverse and valuable fishery resources date back to 1871 when Congress established the position of U.S. Commissioner of Fish and Fisheries in response to concerns about the decline of domestic food fish supplies. Declines in specific fish populations during the past two centuries can be attributed to several factors, such as, overfishing, degraded fishery habitat, water pollution, dam construction, and other natural and manmade phenomena. While in many cases, progress has been made in overcoming several of these factors, resource managers need to contend with ever changing challenges in order to provide a stable fishery for species of interest nationwide.

One such challenge is management of fish harvest. Fishing pressure from both commercial and recreational fisherman continues to increase. Technological advances allow for more efficient/effective commercial harvest and increased leisure time and interest of the American public translates directly to more recreational fisherman. Today, fish provide sport to over 60 million recreational fisherman in the United States annually. These anglers spend over one billion days fishing each year which results in an additional 30 billion dollars being pumped into the economy annually. Experts predict that by the year 2030, recreational fishing in the United States will increase by 40%.

The U.S. Fish and Wildlife Service's National Fish Hatchery System has played a vital role in the restoration/mitigation of depleted fish populations nationwide as is demonstrated by the following examples.

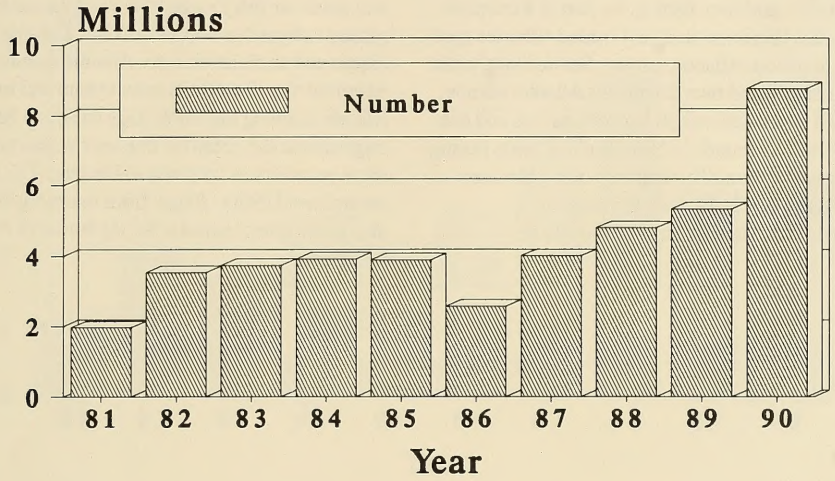
Striped Bass:

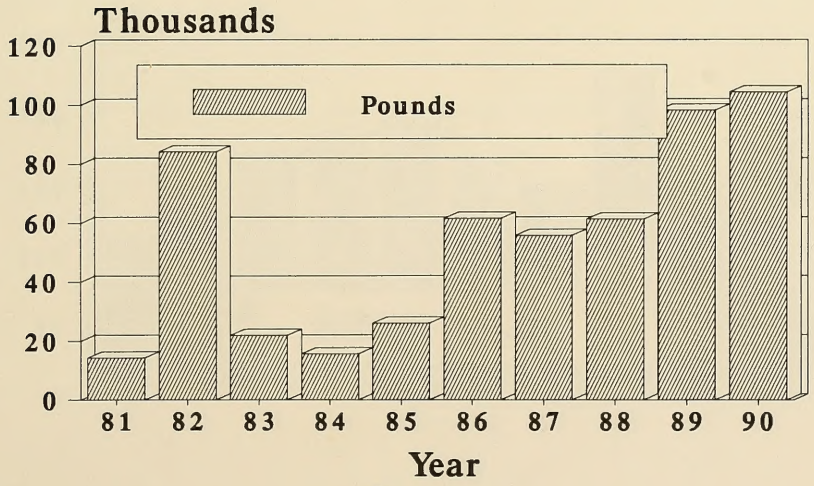
Historically, striped bass were one of America's most important recreational and commercial fisheries with millions of pounds of stripers being landed each year. However, by the mid- to late 1970s there was a significant decline in the landings of striped bass, and the need to better manage the resource became obvious. The restoration of striped bass in Atlantic and Gulf Coast waters is one of the Service's highest priorities. As part of this restoration effort, during the past 10 years, Service hatcheries in the Southeast, Southwest, and mid-Atlantic states, working in cooperation with state fish and wildlife agencies and federal fisheries management activities, have distributed over forty million striped bass of various sizes into the streams and tributaries along the Atlantic and Gulf Coasts. While the number distributed has remained somewhat constant, the total weight of striped bass distributed has steadily increased over in the last ten years.

Today striped bass populations are rebounding. The Chesapeake Bay was once credited with hatching 90 percent of all striped bass found in the Atlantic Ocean. After 10 years of very low levels of striped bass production in Chesapeake Bay, the 1989 Maryland young-of-the-year index for Chesapeake Bay striped bass indicated that striped bass numbers in the Bay had increased significantly. As a result of the Maryland index, some states reopened their striped bass fishery to limited harvest in 1990.

Hatchery rearing and stocking of striped bass alone cannot sustain a healthy striped bass population for the future. However, together with harvest restrictions, efforts to reduce water pollution in breeding grounds, and expanded knowledge of the biological needs of striped bass, hatchery rearing and stocking has played and will continue to play a key role in the recovery of this species.

Ten Years of Fish Distribution for Striped Bass



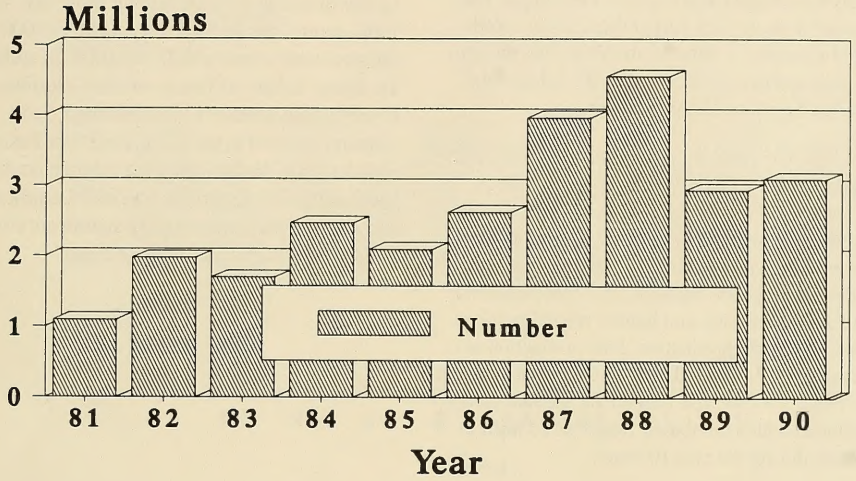


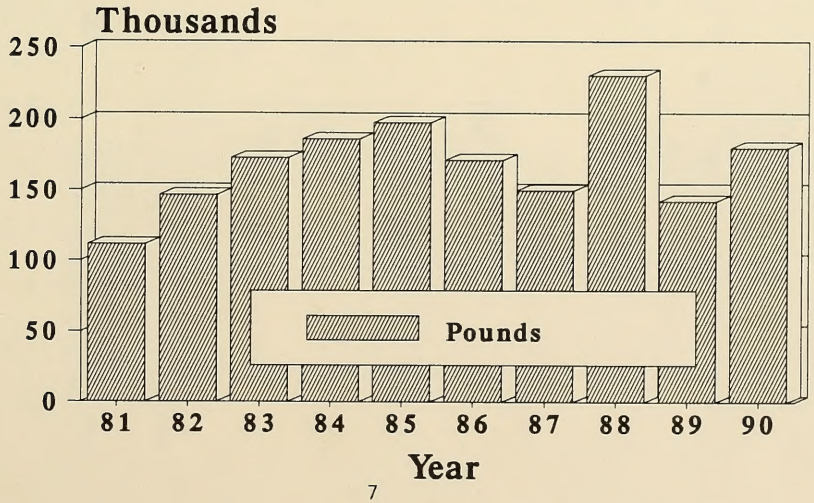
Atlantic Salmon:

As with the striped bass, the Service is committed to the restoration of the Atlantic salmon to its historic habitat. During the early 1800s, the once plentiful Atlantic salmon underwent a drastic decline in several of the major river systems of New England due to the construction of dams, water pollution, and over-fishing. As part of a cooperative effort between state and federal fisheries agencies to restore Atlantic salmon, Service hatcheries have distributed over 26 million Atlantic salmon with a combined weight in excess of one and one-half million pounds in New England rivers during the past 10 years. The majority of the fish were stocked in the Penobscot, Connecticut, Merrimack, Union, and St. Croix Rivers.

While current numbers of returning adults fall short of maintaining a healthy sport fishery for Atlantic salmon, there are many reasons for optimism. Several fish passages have recently been completed at hydroelectric plants with more scheduled for completion in the near future. These will allow for fish to access more of the excellent salmon habitat that currently exists. Cultural techniques and artificial diets for Atlantic salmon have improved significantly in recent years and more fish are reaching the smolt stage (ready to begin migration to the ocean) at one year versus two or more years as was common in the past. The increased availability of eggs from returning adults also is a positive indicator for the future of Atlantic salmon.

Ten Years of Fish Distribution for Atlantic Salmon





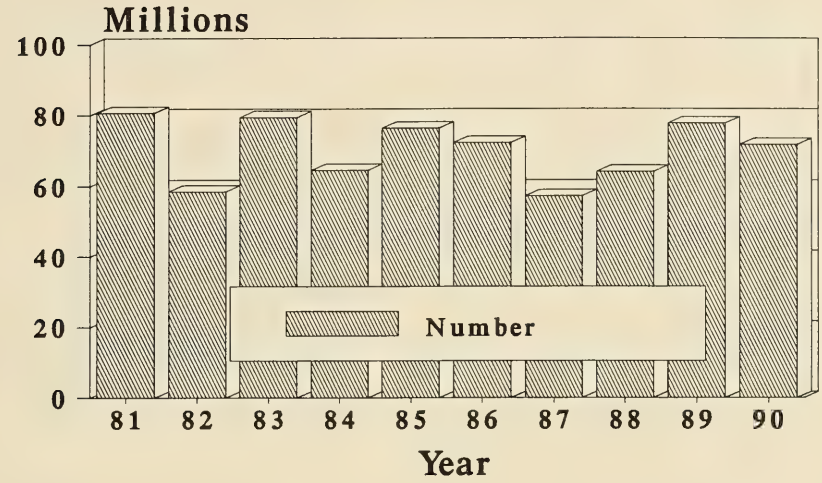
Pacific Salmon and Steelhead Trout:

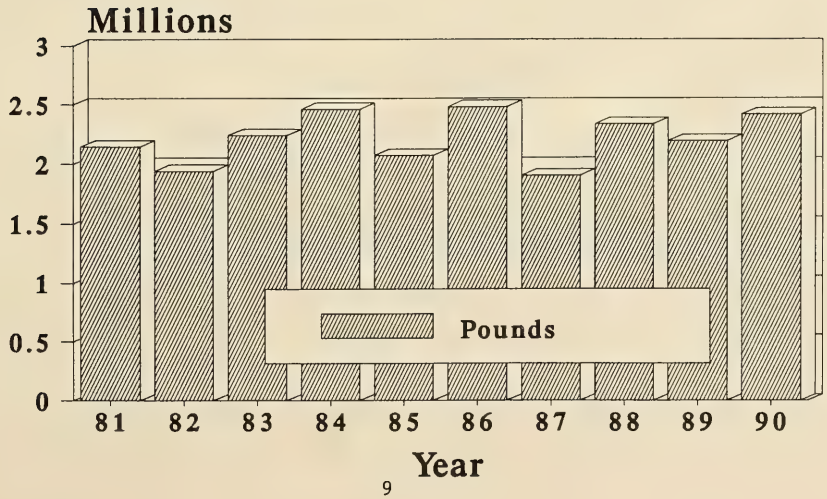
During the past 20 years, Pacific salmon and steelhead management has been plagued by bitter conflict and litigation in the Northwest. However, in recent years anadromous fish producing States, the 24 Indian tribes with treaty fishing rights, and the Federal Government have worked cooperatively to manage these important resources. The Service is an integral part of this closely coordinated interagency network involved with the production and management of Pacific salmon and steelhead trout on the West Coast.

The Service's fisheries program in the Northwest consists of restoring and mitigating for salmon and steelhead losses as a result of Federal power and water development projects, changing land use practices, and pollution. Fish losses as a result of these actions are replaced by a combination of hatchery production and habitat rehabilitation to improve natural production. Fish production at a network of 17 National Fish Hatcheries resulted in the release of over 701 million Pacific salmon and steelhead with a combined weight of 22 million pounds during the past 10 years.

The continued successful management of Pacific salmon and steelhead is vitally important to the Northwest economy. In 1986, the commercial salmon harvest in Washington, Oregon, and California was over 7,100,000 fish with a value estimated at over $230,000,000. The most recent figures available for sport fishing show that, in 1986, sports men and women caught 940,000 salmon worth a total of $107,500,000. In addition, the Treaty Indian net fishery on the Columbia River yielded another 138,000 salmon. Most salmon produced in the Columbia River Basin and along the Washington coast migrate northward and many are caught in British Columbia and Alaska fisheries, providing significant contribution to the economies of these areas.

Ten Years of Fish Distribution for Pacific Salmon and Steelhead





Great Lakes Lake Trout:

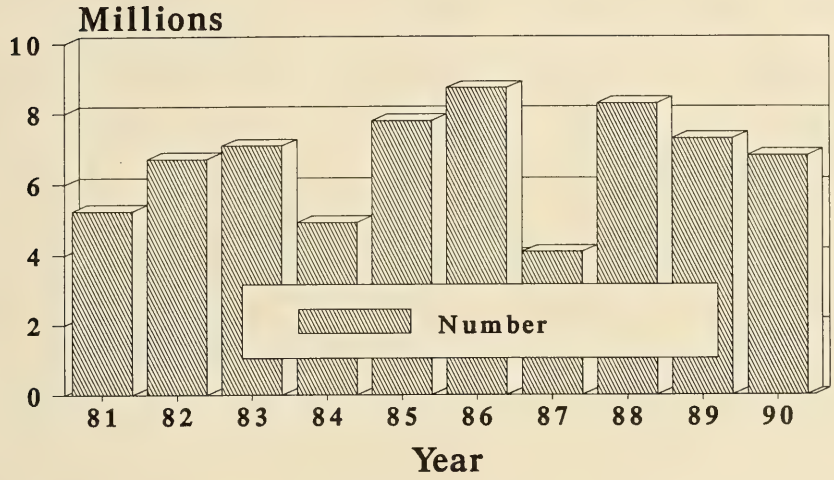
The Great Lakes provided a large and successful commercial fishery in the early 1800s composed primarily of lake trout, whitefish, and lake herring. The combined effects of an unregulated fishery, habitat destruction, water pollution, and the invasion of the parasitic sea lamprey eliminated lake trout in Lakes Erie, Ontario, and Michigan, with only vestigial populations remaining in Lakes Superior and Huron by the early 1950s. As part of a combined effort of state and federal (both the United States and Canada) fisheries agencies to restore lake trout populations in the Great Lakes, Service hatcheries have distributed nearly 67 million lake trout of various sizes with a combined weight in excess of three million pounds during the last 10 years.

Restoration efforts for lake trout in the Great Lakes have relied on several factors, one of which is the stocking of hatchery reared lake trout (initiated by the Service in 1955). Intense efforts to control sea lampreys, important predators of lake trout, have been successful in the Great Lakes with sea lamprey populations presently being held to 10 percent of pretreatment population levels. Close regulation of harvest, reduction in water pollution, improved fish habitat, and continued research of those factors thought to be most critical to the survival of stocked fish (including site of release, culture techniques, and artificial diets fed in hatcheries) also have played an important role in restoration efforts. While progress in restoring lake trout has been made in all Lakes, the degree of progress has been Lake specific. In Lake Ontario, survival of adult lake trout exceeded 65 percent for the first time on record in 1987. The eastern end of Lake Superior has been essentially rehabilitated with a healthy population of adult lake trout. Lake Huron is showing increasing signs of natural reproduction with more unmarked lake trout being recovered each year. Natural reproduction in Lake Michigan has produced fry, but unmarked (non-hatchery) fingerlings have yet to be found.

In addition to the contributions made by the Service's fish production units toward restoring/preserving our nation's valuable fishery resources, the Service operates various fish technology centers, fish health centers/offices, and fishway facilities as a part of the National Fish Hatchery System.

This report summarizes the distribution of fish and fish eggs by the National Fish Hatchery System for the period of October 1, 1989, through September 30, 1990.

Ten Years of Fish Distribution for Lake Trout in Great Lakes



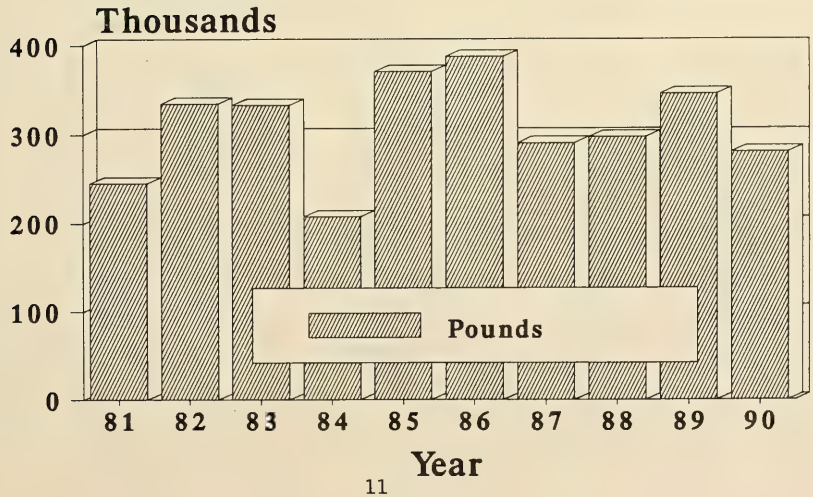


Table 1. Fish and Fish Egg Distribution By National Fish Hatchery

Facility	Fish Distributed Number	Fish Distributed Weight (Pounds)	Number Eggs Produced
Abernathy STC, WA			
-Coldwater species	1,794,797	37,487	0
Alchesay/ Williams Creek NFH, AZ			
-Coldwater species	965,701	110,923	0
Allegheny NFH, PA			
-Coldwater species	1,534,212	142,994	696,590
Berkshire NFH, MA			
-Coldwater species	0	0	808,000
Bo Ginn NFH/AQ, GA			
-Warmwater species	669,981	9,137	0
Bowden NFH, WV			
-Coldwater species	357,599	160,962	0
-Warmwater species	120,145	4,702	0
Bozeman FTC, MT			
-Coldwater species	74,960	4,506	30,000
-Coolwater species	2,985	257	0
Carbon Hill NFH, AL			
-Coolwater species	113,100	90	0
-Warmwater species	262,503	4,663	0
Carson NFH, WA			
-Coldwater species	2,205,416	117,258	0
Chattahoochee Forest NFH, GA			
-Coldwater species	1,201,359	162,951	0
Coleman NFH, CA			
-Coldwater species	18,457,354	245,963	466,890
Craig Brook NFH, ME			
-Coldwater species	281,933	15,596	2,499,776
Creston NFH, MT			
-Coldwater species	1,212,252	168,232	6,779,414
Dale Hollow NFH, TN			
-Coldwater species	1,242,798	197,805	0

Table 1. (Continued) Fish And Egg Distribution By National Fish Hatchery

Facility	Fish Distributed Number	Fish Distributed Weight (Pounds)	Number Eggs Produced
Dexter NFH, NM			
-Coolwater species	587,729	940	30,000
-Warmwater species	1,111	7	0
Dworshak NFH, ID			
-Coldwater species	4,950,622	510,610	5,452,500
Eagle Creek NFH, OR			
-Coldwater species	2,056,820	128,681	748,647
Edenton NFH, NC			
-Warmwater species	707,553	11,275	0
Ennis NFH, MT			
-Coldwater species	170,687	35,183	21,420,892
Entiat NFH, WA			
-Coldwater species	1,032,829	31,754	0
Erwin NFH, TN			
-Coldwater species	70,661	46,478	13,326,803
Garrison Dam NFH, ND			
-Coldwater species	1,161,846	68,355	0
-Coolwater species	15,801,286	7,614	90,630,000
-Warmwater species	652,393	1,851	1,652,000
Gavins Point NFH, SD			
-Coldwater species	32,500	6,307	0
-Coolwater species	31,564,190	1,392	65,343,200
-Warmwater species	1,052,447	10,596	1,109,000
Genoa NFH, WI			
-Coldwater species	67,874	7,953	213,500
-Coolwater species	17,535,763	194	32,898,000
-Warmwater species	114,645	2,664	0
Green Lake NFH, ME			
-Coldwater species	1,017,002	71,843	1,299,692
Greers Ferry NFH, AR			
-Coldwater species	921,416	214,272	0
Hagerman NFH, ID			
-Coldwater species	2,328,820	373,387	0

Table 1. (Continued) Fish And Egg Distribution By National Fish Hatchery

Facility	Fish Distributed Number	Fish Distributed Weight (Pounds)	Number Eggs Produced
Harrison Lake NFH, VA			
-Warmwater species	290,629	4,298	0
Hiawatha Forest NFH, MI			
-Coldwater species	711,700	28,538	0
Hotchkiss NFH, CO			
-Coldwater species	2,353,875	155,012	0
Inks Dam NFH, TX			
-Warmwater species	249,530	44,861	0
Iron River NFH, WI			
-Coldwater species	2,224,754	88,002	1,389,984
Jackson NFH, WY			
-Coldwater species	569,418	120,085	0
Jones Hole NFH, UT			
-Coldwater species	1,438,892	169,784	0
Jordan River NFH, MI			
-Coldwater species	2,445,000	57,432	0
Kooskia NFH, ID			
-Coldwater species	1,041,026	39,468	0
Lahontan NFH, NV			
-Coldwater species	1,133,986	75,246	0
Lamar NFH, PA			
-Coldwater species	114,386	48,517	0
-Warmwater species	145,988	3,584	0
Leadville NFH, CO			
-Coldwater species	967,044	103,980	0
Leavenworth NFH, WA			
-Coldwater species	5,282,655	147,937	0
Little White Salmon/ Willard NFH, WA			
-Coldwater species	9,993,016	285,898	908,509
Makah NFH, WA			
-Coldwater species	2,356,794	52,031	0

Table 1. (Continued) Fish And Egg Distribution By National Fish Hatchery

Facility	Fish Distributed Number	Fish Distributed Weight (Pounds)	Number Eggs Produced
Mammoth Spring NFH, AR			
-Coolwater species	306,500	482	0
-Warmwater species	1,762,754	5,405	0
Mckinney Lake NFH, NC			
-Warmwater species	803,630	16,861	0
Meridian NFH, MS			
-Warmwater species	2,425,500	3,025	0
Mescalero NFH, NM			
-Coldwater species	514,768	101,598	0
Nashua NFH, NH			
-Coldwater species	87,444	4,240	512,818
Natchitoches NFH, LA			
-Warmwater species	1,244,105	9,907	30,000
Neosho NFH, MO			
-Coldwater species	949,985	35,464	0
Norfork NFH, AR			
-Coldwater species	2,108,023	495,945	0
North Attleboro NFH, MA			
-Coldwater species	522,775	13,217	0
-Warmwater species	97,900	1,238	0
Orangeburg NFH, SC			
-Warmwater species	1,681,350	11,332	0
Pittsford NFH, VT			
-Coldwater species	191,882	13,724	0
Private John Allen NFH, MS			
-Warmwater species	1,256,540	1,825	0
Quilcene NFH, WA			
-Coldwater species	4,433,573	48,942	0
Quinault NFH, WA			
-Coldwater species	3,073,210	106,301	2,115,770
Richard Cronin NSS, MA			
-Coldwater species	0	0	284,958

Table 1. (Continued) Fish And Egg Distribution By National Fish Hatchery

Facility	Fish Distributed Number	Fish Distributed Weight (Pounds)	Number Eggs Produced
San Marcos FTC/NFH, TX			
-Warmwater species	24,123	5,004	0
Saratoga NFH, WY			
-Coldwater species	364,448	20,882	10,963,639
Senecaville NFH, OH			
-Warmwater species	323,964	34,194	0
Spring Creek NFH, WA			
-Coldwater species	11,759,807	199,229	0
Tishomingo NFH, OK			
-Warmwater species	2,812,350	53,914	5,000
Uvalde NFH, TX			
-Warmwater species	1,354,036	48,306	70,250
Valley City/ Baldhill Dam NFH, ND			
-Coolwater species	2,445,145	2,807	0
-Warmwater species	278,960	688	0
Walhalla NFH, SC			
-Coldwater species	953,097	183,349	0
Warm Springs NFH, GA			
-Warmwater species	45,038	357	0
Warm Springs NFH, OR			
-Coldwater species	795,524	57,659	0
Welaka NFH, FL			
-Warmwater species	4,468,335	8,671	380,000
White River NFH, VT			
-Coldwater species	1,212,665	76,565	0
White Sulphur Springs NFH, WV			
-Coldwater species	67,684	24,431	10,198,104
Willow Beach NFH, AZ			
-Coldwater species	1,772,815	205,847	0
Winthrop NFH, WA			
-Coldwater species	1,676,709	57,581	0

Table 1. (Continued) Fish And Egg Distribution By National Fish Hatchery

Facility	Fish Distributed		Number Eggs Produced
	Number	Weight (Pounds)	
Wolf Creek NFH, KY			
-Coldwater species	798,480	210,662	0
Total Coldwater Species	105,054,893	6,087,066	80,116,486
Total Coolwater Species	68,356,698	13,776	188,901,200
Total Warmwater Species	22,845,510	298,365	3,246,250
Grand Total	196,257,101	6,399,207	272,263,936

Table 2. Fish And Fish Egg Distribution By Species

Species	Fish Distributed Number	Weight (Pounds)	Number Eggs Produced
Coldwater Species			
-Apache (Arizona) trout	178,619	13,859	0
-Atlantic salmon	3,120,724	181,425	5,405,244
-Brook trout	344,216	54,165	2,969,930
-Brown trout	1,002,033	99,433	6,836,198
-Chum salmon	2,959,494	5,022	0
-Coho salmon	8,082,914	391,883	1,956,509
-Cutthroat trout	2,769,673	278,169	738,458
-Fall chinook salmon	35,191,435	440,046	420,250
-Gila trout	438	10	0
-Golden trout	540	9	0
-Kokanee	1,213,001	4,128	0
-Lake trout	6,943,322	302,603	6,245,211
-Landlocked Atlantic salmon	194,214	13,940	0
-Late fall chinook salmon	908,746	38,706	3,317
-Rainbow trout	17,331,859	2,716,199	48,229,129
-Splake	28,000	1,530	0
-Spring chinook salmon	18,130,390	629,701	653,141
-Steelhead	6,652,072	916,191	6,659,099
-Winter chinook salmon	3,203	47	0
Total Coldwater Species	105,054,893	6,087,066	80,116,486
Coolwater Species			
-Bonytail chub	44,840	198	0
-Chihuahua chub	8	1	0
-Colorado squawfish	426,778	406	0
-Muskellunge	79,467	603	0
-Northern pike	10,123,088	3,235	50,346,000
-Razorback sucker	116,103	335	30,000
-Sauger	454,010	4	2,086,000
-Saugeye	3,983,990	212	5,318,000
-Tiger Muskie	1,700	3	0
-Walleye	53,126,611	8,758	131,121,200
-Yellow perch	103	21	0
Total Coolwater Species	68,356,698	13,776	188,901,200
Warmwater Species			
-Beautiful shiner	300	1	0

Table 2. (Continued) Fish And Fish Egg Distribution By Species

Species	Fish Distributed Number	Fish Distributed Weight (Pounds)	Number Eggs Produced
Warmwater Species (Continued)			
-Black bullhead	206	51	0
-Black crappie	230,172	234	400,000
-Blue catfish	52,503	2,291	0
-Bluegill	2,944,292	3,429	600,000
-Brown bullhead	6	3	0
-Carp	1,500	3,150	0
-Channel catfish	3,856,607	159,744	35,250
-Desert pupfish	275	2	0
-Fathead minnow	12	1	0
-Flathead catfish	4	13	0
-Gars	6	6	0
-Goldfish	2,000	500	0
-Grass carp	430	143	0
-Green sunfish	6	1	0
-Guadalupe bass	32	1	0
-Largemouth bass	3,071,693	8,122	70,000
-Paddlefish	204,653	6,362	1,745,000
-Pahranagat roundtail chub	536	4	0
-Redbreast sunfish	300,000	219	0
-Redear sunfish	1,576,423	1,918	0
-Shortnose sturgeon	47,389	1,608	0
-Shovelnose sturgeon	75,000	7	0
-Smallmouth bass	732,859	2,207	16,000
-Striped bass	9,330,132	107,778	380,000
-Striped bass hybrid	398,457	539	0
-White crappie	20,007	28	0
-White sucker	4	1	0
-Yellow bass	6	2	0
Total Warmwater Species	22,845,510	298,365	3,246,250
Grand Total	196,257,101	6,399,207	272,263,936

Table 3. Fish and Fish Egg Distribution Within a State

State	Fish Distributed		Number Eggs Produced
	Number	Weight (Pounds)	
Alabama			
-Coldwater species	11,096	3,256	0
-Warmwater species	176,088	2,225	0
Alaska			
-Coldwater species	0	0	1,258,558
Arizona			
-Coldwater species	2,507,833	288,535	3,183,113
-Coolwater species	168,401	424	0
-Warmwater species	170,013	19,910	0
Arkansas			
-Coldwater species	2,920,206	515,518	2,087,564
-Coolwater species	240,341	566	0
-Warmwater species	1,765,462	4,962	0
California			
-Coldwater species	18,522,414	259,500	617,044
-Coolwater species	60	1	0
Colorado			
-Coldwater species	3,037,393	254,405	6,722,360
-Coolwater species	1,770,954	29	10,000
-Warmwater species	1,189,600	15,109	250
Connecticut			
-Coldwater species	146,946	23,834	326,631
Delaware			
-Warmwater species	33,884	605	0
Florida			
-Warmwater species	3,659,647	16,203	0
Georgia			
-Coldwater species	1,750,970	190,238	2,635,809
-Warmwater species	278,735	2,446	0
Idaho			
-Coldwater species	8,597,397	1,013,589	12,258,665
-Coolwater species	450,000	3	0

Table 3. (Continued) Fish And Egg Distribution Within a State

State	Fish Distributed		Number Eggs Produced
	Number	Weight (Pounds)	
Illinois			
-Coldwater species	316,520	9,128	486,564
-Coolwater species	0	0	14,350,200
Iowa			
-Coldwater species	1,500	300	0
-Coolwater species	7,432,020	84	7,200,000
-Warmwater species	38,640	240	0
Kansas			
-Coldwater species	2,830	1,600	0
Kentucky			
-Coldwater species	638,420	204,068	1,841,795
Louisiana			
-Warmwater species	1,211,357	9,865	0
Maine			
-Coldwater species	1,293,914	86,299	2,594,888
-Warmwater species	97,900	1,238	0
Maryland			
-Coldwater species	22,000	9,856	0
-Warmwater species	785,916	65,883	0
Massachusetts			
-Coldwater species	388,417	61,248	990,616
Michigan			
-Coldwater species	3,136,266	103,777	7,244,178
Minnesota			
-Coldwater species	111,055	4,691	919,720
-Coolwater species	972,020	13	0
-Warmwater species	10,000	1	0
Mississippi			
-Warmwater species	2,753,641	5,240	0
Missouri			
-Coldwater species	600,455	107,303	3,898,945
-Coolwater species	2,100,000	17	400,000
-Warmwater species	18,000	20	69,000

Table 3. (Continued) Fish And Egg Distribution Within a State

State	Fish Distributed		Number Eggs Produced
	Number	Weight (Pounds)	
Montana			
-Coldwater species	1,438,030	186,383	3,903,252
-Coolwater species	4,759,547	360	4,591,000
-Warmwater species	116,000	621	0
Nebraska			
-Coldwater species	20,000	4,942	59,470
-Coolwater species	21,908,490	442	0
-Warmwater species	214,825	980	0
Nevada			
-Coldwater species	1,133,986	75,246	1,099,813
-Warmwater species	30,000	83	0
New Hampshire			
-Coldwater species	540,083	1,844	1,518,830
New Jersey			
-Coldwater species	28,700	11,118	0
New Mexico			
-Coldwater species	1,126,213	134,341	1,217,412
-Warmwater species	681,597	44,334	0
New York			
-Coldwater species	1,434,613	104,338	730,949
-Warmwater species	0	0	380,000
North Carolina			
-Coldwater species	21,508	24,666	1,397,699
-Warmwater species	1,210,471	6,274	0
North Dakota			
-Coldwater species	1,162,346	68,393	1,316,508
-Coolwater species	17,170,145	9,817	90,630,000
-Warmwater species	927,657	1,577	1,652,000
Oklahoma			
-Coldwater species	242,403	57,374	0
-Warmwater species	1,574,336	28,212	70,000
Oregon			
-Coldwater species	2,952,399	191,733	754,647

Table 3. (Continued) Fish And Egg Distribution Within a State

State	Fish Distributed		Number Eggs Produced
	Number	Weight (Pounds)	
Pennsylvania			
-Coldwater species	260,043	78,647	231,534
-Warmwater species	111,144	1,781	0
Rhode Island			
-Coldwater species	15,591	1,630	0
South Carolina			
-Coldwater species	530,177	161,438	2,173,940
-Warmwater species	3,339,435	13,028	0
South Dakota			
-Coldwater species	15,000	1,335	727,958
-Coolwater species	2,027,050	1,528	54,100,000
-Warmwater species	479,618	7,633	733,000
Tennessee			
-Coldwater species	1,316,332	217,647	4,350,909
-Coolwater species	265,100	310	0
-Warmwater species	654,215	2,011	0
Texas			
-Coldwater species	230,030	70,013	0
-Warmwater species	692,800	32,003	312,000
Utah			
-Coldwater species	1,098,338	149,266	1,656,591
-Coolwater species	847	84	0
-Warmwater species	194,016	5,914	0
Vermont			
-Coldwater species	841,357	14,103	3,365,984
Virginia			
-Coldwater species	0	0	167,400
-Warmwater species	201,520	703	0
Washington			
-Coldwater species	43,602,354	1,082,148	2,462,041
West Virginia			
-Coldwater species	410,670	178,888	224,348
-Warmwater species	600	24	0

Table 3. (Continued) Fish And Egg Distribution Within a State

State	Fish Distributed		Number Eggs Produced
	Number	Weight (Pounds)	
Wisconsin			
-Coldwater species	1,887,507	64,539	4,903,103
-Coolwater species	9,091,723	98	17,620,000
-Warmwater species	76,005	2,424	30,000
Wyoming			
-Coldwater species	741,581	69,889	535,540
-Warmwater species	142,388	6,814	0
Total U.S. Distribution			
Total Coldwater Species	105,054,893	6,087,066	79,864,378
Total Coolwater Species	68,356,698	13,776	188,901,200
Total Warmwater Species	22,835,510	298,363	3,246,250
Total Foreign Distribution			
Total Coldwater Species	0	0	252,108
Total Warmwater Species	10,000	2	0
Grand Total	196,257,101	6,399,207	272,263,936

Table 4. Fish and Fish Egg Distribution By Program/Area Of Interest

Program/Area of Interest	Fish Distributed		Number Eggs Produced
	Number	Weight (Pounds)	
Atlantic Salmon Restoration Program	3,106,497	179,801	5,402,244
Endangered Species Program	1,522,109	91,415	30,000
Farm Pond Program	2,214,496	2,634	0
Fish and Wildlife Service Lands	9,910,557	97,228	1,767,882
Great Lakes Lake Trout Program	6,804,054	280,977	0
Indian Tribal Program	12,778,399	512,831	3,156,303
Inland Restoration/Mitigation	96,619,468	3,027,434	227,507,346
Military Lands	1,039,778	123,423	0
Pacific Salmon and Steelhead Program	71,645,582	2,415,686	9,682,999
Research and Education	1,639,345	35,604	2,714,632
Striped Bass Restoration Program	8,765,226	104,451	0

SPECIES SHIPPED

The following list represents the general groups and scientific names of fishes produced and distributed to meet fisheries activity responsibilities. The nomenclature used is that established in the American Fisheries Society Special Publication Number 6 (1970), A List of Common and Scientific Names of Fishes from the United States and Canada, ed. 1980.

MAJOR GROUP AND COMMON NAME	SCIENTIFIC NAME
Coldwater	
Apache (Arizona) Trout	*Salmo apache*
Atlantic salmon	*Salmo salar*
Brook trout	*Salvelinus fontinalis*
Brown trout	*Salmo trutta*
Chinook salmon	*Oncorhynchus tshawytscha*
Chum salmon	*Oncorhynchus keta*
Coho salmon	*Oncorhynchus kisutch*
Cutthroat trout	*Salmo clarki*
Gila trout	*Salmo gilae*
Golden trout	*Salmo aguabonita*
Greenback cutthroat	*Salmo clarki stomias*
Kokanee	*Oncorhynchus nerka*
Lahontan cutthroat	*Salmo clarki henshawi*
Lake trout	*Salvelinus namaycush*
Rainbow trout	*Salmo gairdneri*
Splake	*Salvelinus namaycush X Salvelinus fontinalis*
Steelhead	*Salmo gairdneri*
Coolwater	
Bonytail	*Gila elegans*
Chihuahua chub	*Gila nigrescens*
Colorado squawfish	*Ptychocheilius lucius*
Muskellunge	*Esox masquinongy*
Northern pike	*Esox lucius*
Razorback sucker	*Xyrauchen texanus*
Sauger	*Stizostedion canadense*
Saugeye	*Stizostedion vitreum X Stizostedion canadense*
Tiger Muskie	*Esox masquinongy X Esox lucius*
Walleye	*Stizostedion vitreum*
Yellow perch	*Perca flavescens*

SPECIES SHIPPED (Continued)

MAJOR GROUP AND COMMON NAME	SCIENTIFIC NAME
Warmwater	
Atlantic sturgeon	*Acipenser oxyrhynchus*
Beautiful shiner	*Notropis formosus*
Black bullhead.	*Ictalurus melas*
Black crappie	*Pomoxis nigromaculatus*
Blue catfish	*Ictalurus furcatus*
Bluegill	*Lepomis microchirus*
Brown bullhead.	*Ictalurus nebulosus*
Carp	*Cyprinus carpio*
Channel catfish	*Ictalurus punctatus*
Desert pupfish.	*Cyprinodon macularuis*
Fathead minnow	*Pimephales promelas*
Flathead catfish	*Pylodictis olivaris*
Gars	*Lepisosteus species*
Goldfish	*Carassius auratus*
Grass carp	*Ctenopharyngodon idella*
Green sunfish	*Lepomis cyanellus*
Guadalupe bass.	*Micropterus treculi*
Largemouth bass	*Micropterus salmoides*
Paddlefish	*Polyodon spathula*
Pahranagat roundtail chub	*Gila robusta jordani*
Redbreast sunfish	*Lepomis auritus*
Redear sunfish	*Lepomis microlophus*
Shortnose sturgeon.	*Acipenser brevirostrum*
Shovelnose sturgeon	*Scaphirhynchus platorynchus*
Smallmouth bass	*Micropterus dolomieui*
Striped bass	*Morone saxatilis*
Striped bass hybrid	*Morone chrysops X Morone saxatilis*
White crappie	*Pomoxis annularis*
White sucker	*Catostomus commersoni*
Yellow bass	*Morone mississippiensis*

LISTING OF FISH AND WILDLIFE SERVICE REGIONAL OFFICES

Region 1 - Eastside Federal Complex
911 NE 11th Avenue
Portland, Oregon 97232-4181
Office Location: 4th Floor

Areas - California, Hawaii, Idaho, Nevada, Oregon, and Washington, and the Pacific Trust Territories

Region 2 - U.S. Courthouse & Federal Building
P.O. Box 1306
Albuquerque, New Mexico 87103
Office Location: Room 3118, 500 Gold Street, S.W. Albuquerque, New Mexico

Areas - Arizona, New Mexico, Oklahoma, and Texas

Region 3 - Federal Building
Room 646E, Fort Snelling
Twin Cities, Minnesota 55111
Office Location: Same

Areas - Illinois, Indiana, Iowa, Michigan, Minnesota, Missouri, Ohio, and Wisconsin

Region 4 - Richard B. Russell Federal Building
Room 1364, 75 Spring Street, SW
Atlanta, Georgia 30303
Office Location: Same

Areas - Alabama, Arkansas, Florida, Georgia, Kentucky, Louisiana, Mississippi, North Carolina, South Carolina, Tennessee, Puerto Rico, and the Virgin Islands

Region 5 - One Gateway Center, Suite 700
Newton Corner, Massachusetts 02158
Office Location: Same

Areas - Connecticut, Delaware, Maine, Maryland, Massachusetts, New Hampshire, New Jersey, New York, Pennsylvania, Rhode Island, Vermont, Virginia, West Virginia, and D.C.

Region 6 - Denver Federal Center
P.O. Box 25486
Denver, Colorado 80225
Office Location: Third Floor 134 Union Blvd., Lakewood, Colorado

Areas - Colorado, Kansas, Montana, Nebraska, North Dakota, South Dakota, Utah, and Wyoming

Region 7 - 1011 E. Tudor Road
Anchorage, Alaska 99503
Office Location: Same

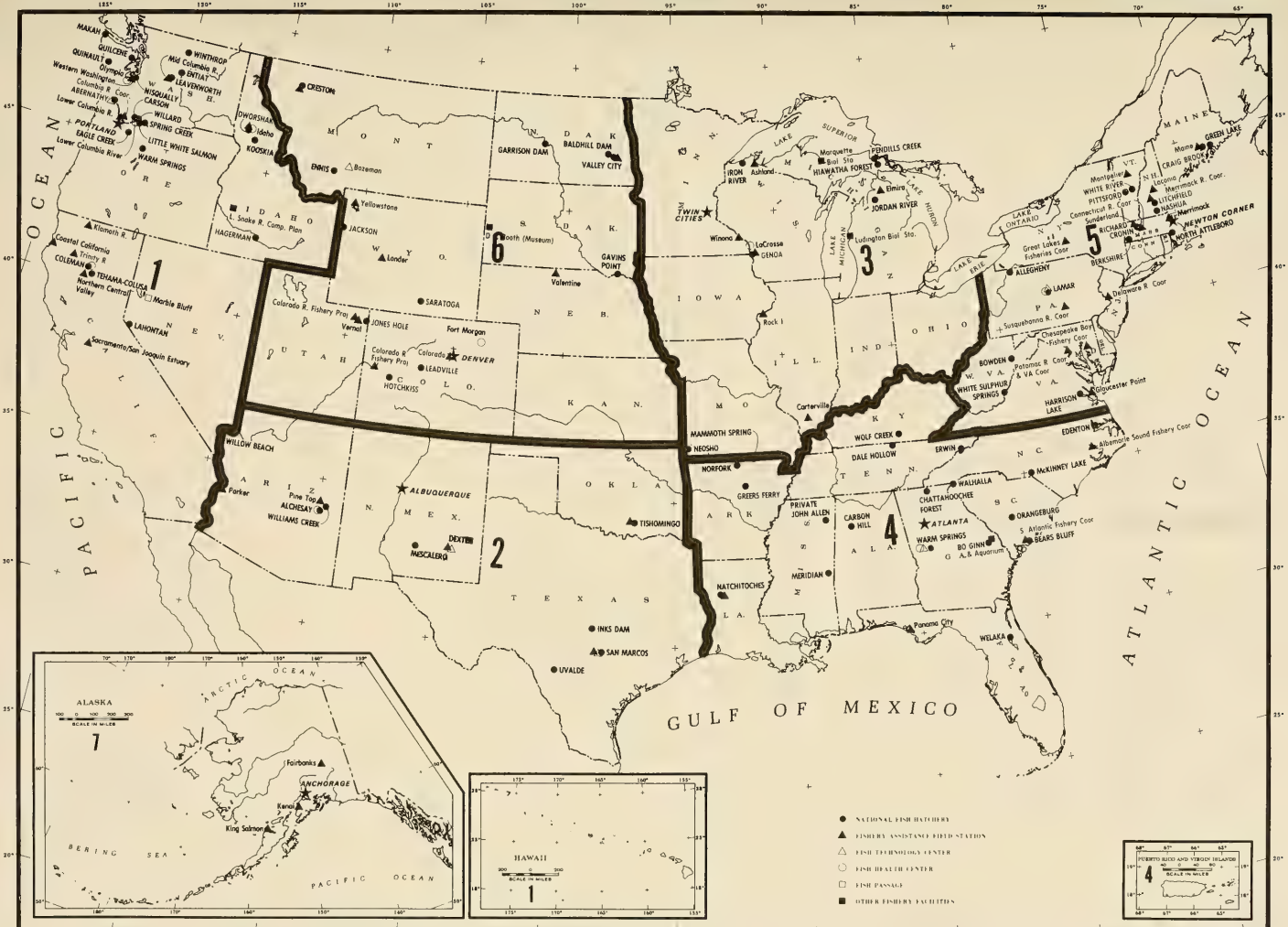
Areas - Alaska

Copies of *National Listing of Fisheries Offices* are available from the Office of Administration--Fisheries at the address given on page one of this publication.

UNITED STATES
DEPARTMENT OF THE INTERIOR

NATIONAL FISH HATCHERIES AND FISHERY ASSISTANCE STATIONS

UNITED STATES
FISH AND WILDLIFE SERVICE



COMPILED IN THE DIVISION OF REALTY

WASHINGTON, D.C. SEPTEMBER 30, 1990

GLOSSARY

Anadromous fish – Fish that migrate from salt water upstream into fresh water to spawn such as Pacific or Atlantic salmon, striped bass, and steelhead.

Coldwater species – Generally, fish that spawn in water temperatures below 55° F. Main cultured species are trout and salmon.

Coolwater species – Generally, fish that spawn in temperatures between 40° and 60° F. Main cultured species are northern pike, muskellunge, walleye, sauger, and yellow perch.

Distribution – The release or transport of fish or fish eggs to the wild or non-U.S. Fish and Wildlife Service National Fish Hatcheries for further fish rearing.

Endangered species – Species of fish listed as either endangered or threatened under the U.S. Endangered Species Act of May 1973.

Inland – Fish that complete their life cycle entirely in fresh water.

Shipment – All distribution and transfers of fish and fish eggs from a National Fish Hatchery.

Transfer – The shipment of fish between National Fish Hatcheries for further fish rearing or distribution.

Warmwater species – Generally, fish that spawn at temperatures above 60° F. Main cultured species are bass, sturgeon, sunfish, and catfish.

Appendix 1. Fish and Fish Eggs Shipped By Region, State, National Fish Hatchery, and Species

Region, State, National Fish Hatchery and Species (t) = Fish Transferred	Fish Shipped By Size						Total Fish Shipped		Total Eggs Shipped
	Less Than 1.5 Inches		1.5 To 5.5 Inches		Greater Than 5.5 Inches				
	Number	Weight (Pounds)	Number	Weight (Pounds)	Number	Weight (Pounds)	Number	Weight (Pounds)	Number
Region 1									
California									
Coleman NFH									
-Fall chinook salmon			16,897,926	163,342			16,897,926	163,342	
-Late fall chinook salmon			908,746	38,706			908,746	38,706	3,317
-Steelhead			573,239	15,898	74,240	27,970	647,479	43,868	463,573
-Winter chinook salmon			3,203	47			3,203	47	
Total Distributed			18,383,114	217,993	74,240	27,970	18,457,354	245,963	466,890
Idaho									
Dworshak NFH									
-Rainbow trout			37,146	329			37,146	329	
-Spring chinook salmon			485,219	3,909	1,763,421	96,557	2,248,640	100,466	
-Steelhead					2,664,836	409,815	2,664,836	409,815	5,452,500
Total Distributed			522,365	4,238	4,428,257	506,372	4,950,622	510,610	5,452,500
Hagerman NFH									
-Rainbow trout			255,798	14,502			255,798	14,502	
-Steelhead			633,756	19,365	1,439,266	339,520	2,073,022	358,885	
-Steelhead (t)			949,745	22,715			949,745	22,715	
Total Distributed			889,554	33,867	1,439,266	339,520	2,328,820	373,387	
Total Transfered			949,745	22,715			949,745	22,715	
Kooskia NFH									
-Spring chinook salmon			1,041,026	39,468			1,041,026	39,468	
-Steelhead									
-Steelhead (t)			373,852	2,289			373,852	2,289	
Total Distributed			1,041,026	39,468			1,041,026	39,468	
Total Transfered			373,852	2,289			373,852	2,289	

Appendix 1. Fish and Fish Eggs Shipped By Region, State, National Fish Hatchery, and Species (Continued)

Region, State, National Fish Hatchery and Species (t) = Fish Transferred	Fish Shipped By Size						Total Fish Shipped		Total Eggs Shipped
	Less Than 1.5 Inches		1.5 To 5.5 Inches		Greater Than 5.5 Inches				
	Number	Weight (Pounds)	Number	Weight (Pounds)	Number	Weight (Pounds)	Number	Weight (Pounds)	Number
Region 1 (Continued)									
Nevada									
Lahontan NFH									
-Cutthroat trout	100	1	405,150	10,700	728,736	64,545	1,133,986	75,246	
Total Distributed	100	1	405,150	10,700	728,736	64,545	1,133,986	75,246	
Oregon									
Eagle Creek NFH									
-Coho salmon					1,388,672	99,315	1,388,672	99,315	
-Spring chinook salmon	148,912	126	203,326	202			352,238	328	653,141
-Steelhead			144,576	2,036	171,334	27,002	315,910	29,038	95,506
Total Distributed	148,912	126	347,902	2,238	1,560,006	126,317	2,056,820	128,681	748,647
Warm Springs NFH									
-Brook trout			25,060	358			25,060	358	
-Rainbow trout					7,305	3,971	7,305	3,971	
-Spring chinook salmon			400	19	762,759	53,311	763,159	53,330	
Total Distributed			25,460	377	770,064	57,282	795,524	57,659	
Washington									
Abernathy STC									
-Fall chinook salmon					1,794,797	37,487	1,794,797	37,487	
Total Distributed					1,794,797	37,487	1,794,797	37,487	
Carson NFH									
-Spring chinook salmon					2,205,416	117,258	2,205,416	117,258	
-Spring chinook salmon (t)	1,638,000	1,178					1,638,000	1,178	
Total Distributed					2,205,416	117,258	2,205,416	117,258	
Total Transfered	1,638,000	1,178					1,638,000	1,178	

Appendix 1. Fish and Fish Eggs Shipped By Region, State, National Fish Hatchery, and Species (Continued)

Region, State, National Fish Hatchery and Species (t) = Fish Transferred	Fish Shipped By Size						Total Fish Shipped		Total Eggs Shipped
	Less Than 1.5 Inches		1.5 To 5.5 Inches		Greater Than 5.5 Inches				
	Number	Weight (Pounds)	Number	Weight (Pounds)	Number	Weight (Pounds)	Number	Weight (Pounds)	Number
Region 1 (Continued)									
Washington (Continued)									
Entiat NFH									
-Kokanee			403,038	1,510			403,038	1,510	
-Spring chinook salmon			629,791	30,244			629,791	30,244	
Total Distributed			1,032,829	31,754			1,032,829	31,754	
Leavenworth NFH									
-Kokanee			391,528	1,402			391,528	1,402	
-Spring chinook salmon	1,946,856	2,732	534,000	6,566	2,304,237	126,640	4,785,093	135,938	
-Spring chinook salmon (t)	860,700	585					860,700	585	
-Steelhead					106,034	10,597	106,034	10,597	
Total Distributed	1,946,856	2,732	925,528	7,968	2,410,271	137,237	5,282,655	147,937	
Total Transfered	860,700	585					860,700	585	
Little White Salmon/ Willard NFH									
-Coho salmon	254,500	170	426,848	2,188	2,900,149	200,006	3,581,497	202,364	908,509
-Fall chinook salmon			3,443,519	21,911			3,443,519	21,911	
-Spring chinook salmon	384,706	264	1,070,179	29,719	1,513,115	31,640	2,968,000	61,623	
Total Distributed	639,206	434	4,940,546	53,818	4,413,264	231,646	9,993,016	285,898	908,509
Makah NFH									
-Chum salmon			114,681	431			114,681	431	
-Coho salmon	306,000	282	272,985	4,225	261,826	17,324	840,811	21,831	
-Fall chinook salmon			1,229,085	16,135			1,229,085	16,135	
-Steelhead			72,030	276	100,187	13,358	172,217	13,634	
Total Distributed	306,000	282	1,688,781	21,067	362,013	30,682	2,356,794	52,031	
Quilcene NFH									
-Chum salmon			2,353,069	3,229			2,353,069	3,229	
-Coho salmon	94,750	64	1,094,133	24,150			1,188,883	24,214	
-Fall chinook salmon			605,460	4,090			605,460	4,090	

Appendix 1. Fish and Fish Eggs Shipped By Region, State, National Fish Hatchery, and Species (Continued)

Region, State, National Fish Hatchery and Species (t) = Fish Transferred	Fish Shipped By Size						Total Fish Shipped		Total Eggs Shipped
	Less Than 1.5 Inches		1.5 To 5.5 Inches		Greater Than 5.5 Inches				
	Number	Weight (Pounds)	Number	Weight (Pounds)	Number	Weight (Pounds)	Number	Weight (Pounds)	Number
Region 1 (Continued)									
Washington (Continued)									
Quilcene NFH (Continued)									
-Spring chinook salmon			68,636	997	217,525	16,412	286,161	17,409	
Total Distributed	94,750	64	4,121,298	32,466	217,525	16,412	4,433,573	48,942	
Quinault NFH									
-Chum salmon			491,744	1,362			491,744	1,362	
-Coho salmon			1,083,051	44,159			1,083,051	44,159	1,048,000
-Fall chinook salmon			825,841	10,426			825,841	10,426	420,250
-Steelhead			290,420	2,141	382,154	48,213	672,574	50,354	647,520
Total Distributed			2,691,056	58,088	382,154	48,213	3,073,210	106,301	2,115,770
Spring Creek NFH									
-Fall chinook salmon			10,233,807	182,147			10,233,807	182,147	
-Spring chinook salmon	1,053,000	758	473,000	16,324			1,526,000	17,082	
Total Distributed	1,053,000	758	10,706,807	198,471			11,759,807	199,229	
Winthrop NFH									
-Kokanee			351,843	1,026			351,843	1,026	
-Spring chinook salmon			1,324,866	56,555			1,324,866	56,555	
Total Distributed			1,676,709	57,581			1,676,709	57,581	
Region 1 - Total Distributed	4,188,824	4,397	49,398,125	770,094	20,786,009	1,740,941	74,372,958	2,515,432	9,692,316
Region 1 - Total Transfered	2,498,700	1,763	1,323,597	25,004			3,822,297	26,767	
Region 1 - Total Shipped	6,687,524	6,160	50,721,722	795,098	20,786,009	1,740,941	78,195,255	2,542,199	9,692,316
Region 2									
Arizona									
Alchesay/ Williams Creek NFH									

Appendix 1. Fish and Fish Eggs Shipped By Region, State, National Fish Hatchery, and Species (Continued)

Region, State, National Fish Hatchery and Species (t) = Fish Transferred	Fish Shipped By Size						Total Fish Shipped		Total Eggs Shipped
	Less Than 1.5 Inches		1.5 To 5.5 Inches		Greater Than 5.5 Inches				
	Number	Weight (Pounds)	Number	Weight (Pounds)	Number	Weight (Pounds)	Number	Weight (Pounds)	Number
Region 2 (Continued)									
Arizona (Continued)									
Alchesay/ Williams Creek NFH (Continued)									
-Apache (Arizona) trout			140,948	1,269	37,671	12,590	178,619	13,859	
-Brook trout			156,416	2,280	16,397	1,531	172,813	3,811	
-Brown trout			74,750	367	36,735	3,657	111,485	4,024	
-Rainbow trout			65,512	2,902	437,272	86,327	502,784	89,229	
Total Distributed			437,626	6,818	528,075	104,105	965,701	110,923	
Willow Beach NFH									
-Rainbow trout			903,750	7,448	869,065	198,399	1,772,815	205,847	
Total Distributed			903,750	7,448	869,065	198,399	1,772,815	205,847	
New Mexico									
Dexter NFH									
-Beautiful shiner			300	1			300	1	
-Bonytail chub	30,050	3	14,690	155	100	40	44,840	198	
-Chihuahua chub					8	1	8	1	
-Colorado squawfish	296,274	6	130,414	373	90	27	426,778	406	
-Desert pupfish			275	2			275	2	
-Pahranagat roundtail chub			536	4			536	4	
-Razorback sucker	113,280	2			2,823	333	116,103	335	30,000
Total Distributed	439,604	11	146,215	535	3,021	401	588,840	947	30,000
Mescalero NFH									
-Cutthroat trout			20,000	156	74,215	6,523	94,215	6,679	
-Gila trout			438	10			438	10	
-Rainbow trout			10,000	507	410,115	94,402	420,115	94,909	
-Rainbow trout (t)			2,000	84			2,000	84	

Appendix 1. Fish and Fish Eggs Shipped By Region, State, National Fish Hatchery, and Species (Continued)

Region, State, National Fish Hatchery and Species (t) = Fish Transferred	Fish Shipped By Size						Total Fish Shipped		Total Eggs Shipped
	Less Than 1.5 Inches		1.5 To 5.5 Inches		Greater Than 5.5 Inches				
	Number	Weight (Pounds)	Number	Weight (Pounds)	Number	Weight (Pounds)	Number	Weight (Pounds)	Number
Region 2 (Continued)									
New Mexico (Continued)									
Mescalero NFH (Continued)									
Total Distributed			30,438	673	484,330	100,925	514,768	101,598	
Total Transfered			2,000	84			2,000	84	
Oklahoma									
Tishomingo NFH									
-Bluegill					200	50	200	50	
-Channel catfish	791,200	227	709,556	11,667	393,634	40,241	1,894,390	52,135	5,000
-Channel catfish (t)	750,000	216					750,000	216	
-Smallmouth bass	46,712	48	265,774	634	89	268	312,575	950	
-Striped bass	273,432	181	77,468	289			350,900	470	
-Striped bass hybrid	191,565	189	62,720	120			254,285	309	
Total Distributed	1,302,909	645	1,115,518	12,710	393,923	40,559	2,812,350	53,914	5,000
Total Transfered	750,000	216					750,000	216	
Texas									
Inks Dam NFH									
-Channel catfish			64,790	2,061	119,699	42,697	184,489	44,758	
-Largemouth bass	53,725	59					53,725	59	
-Striped bass			11,316	44			11,316	44	
Total Distributed	53,725	59	76,106	2,105	119,699	42,697	249,530	44,861	
San Marcos FTC/NFH									
-Goldfish					2,000	500	2,000	500	
-Green sunfish									
-Green sunfish (t)			7	1			7	1	
-Guadalupe bass			32	1			32	1	
-Largemouth bass	11,167	2	800	2	3,910	4,173	15,877	4,177	
-Largemouth bass (t)			871	26			871	26	

Appendix 1. Fish and Fish Eggs Shipped By Region, State, National Fish Hatchery, and Species (Continued)

Region, State, National Fish Hatchery and Species (t) = Fish Transferred	Fish Shipped By Size						Total Fish Shipped		Total Eggs Shipped
	Less Than 1.5 Inches		1.5 To 5.5 Inches		Greater Than 5.5 Inches				
	Number	Weight (Pounds)	Number	Weight (Pounds)	Number	Weight (Pounds)	Number	Weight (Pounds)	Number
Region 2 (Continued)									
Texas (Continued)									
San Marcos FTC/NFH (Continued)									
-Striped bass			5,650	115	564	211	6,214	326	
Total Distributed	11,167	2	6,482	118	6,474	4,884	24,123	5,004	
Total Transfered			878	27			878	27	
Uvalde NFH									
-Channel catfish			455,706	8,620	222,947	38,838	678,653	47,458	250
-Largemouth bass	462,947	422	212,436	426			675,383	848	70,000
Total Distributed	462,947	422	668,142	9,046	222,947	38,838	1,354,036	48,306	70,250
Region 2 - Total Distributed	2,270,352	1,139	3,384,277	39,453	2,627,534	530,808	8,282,163	571,400	105,250
Region 2 - Total Transfered	750,000	216	2,878	111			752,878	327	
Region 2 - Total Shipped	3,020,352	1,355	3,387,155	39,564	2,627,534	530,808	9,035,041	571,727	105,250
Region 3									
Michigan									
Hiawatha Forest NFH									
-Lake trout			711,700	28,538			711,700	28,538	
Total Distributed			711,700	28,538			711,700	28,538	
Jordan River NFH									
-Lake trout	10,000	3	2,435,000	57,429			2,445,000	57,432	
-Lake trout (t)			300,000	1,140	3,829	5,624	303,829	6,764	
Total Distributed	10,000	3	2,435,000	57,429			2,445,000	57,432	
Total Transfered			300,000	1,140	3,829	5,624	303,829	6,764	

Appendix 1. Fish and Fish Eggs Shipped By Region, State, National Fish Hatchery, and Species (Continued)

Region, State, National Fish Hatchery and Species (t) = Fish Transferred	Fish Shipped By Size						Total Fish Shipped		Total Eggs Shipped
	Less Than 1.5 Inches		1.5 To 5.5 Inches		Greater Than 5.5 Inches				
	Number	Weight (Pounds)	Number	Weight (Pounds)	Number	Weight (Pounds)	Number	Weight (Pounds)	Number
Region 3 (Continued)									
Missouri									
Neosho NFH									
-Rainbow trout			791,110	4,432	158,875	31,032	949,985	35,464	
-Rainbow trout (t)			2,413,280	25,766			2,413,280	25,766	
Total Distributed			791,110	4,432	158,875	31,032	949,985	35,464	
Total Transfered			2,413,280	25,766			2,413,280	25,766	
Ohio									
Senecaville NFH									
-Striped bass					323,964	34,194	323,964	34,194	
-Striped bass (t)	794,590	556	171,791	531			966,381	1,087	
Total Distributed					323,964	34,194	323,964	34,194	
Total Transfered	794,590	556	171,791	531			966,381	1,087	
Wisconsin									
Genoa NFH									
-Black bullhead					206	51	206	51	
-Bluegill			50	1			50	1	
-Brook trout			60	1	6,506	152	6,566	153	30,000
-Brown bullhead					6	3	6	3	
-Brown trout					60	125	60	125	20,000
-Carp					550	2,200	550	2,200	
-Channel catfish					1	2	1	2	
-Fathead minnow			12	1			12	1	
-Flathead catfish					4	13	4	13	
-Gars					6	6	6	6	
-Green sunfish			6	1			6	1	
-Largemouth bass	43,710	19	39,046	244	31	97	82,787	360	
-Northern pike	5,358,050	79	600	1			5,358,650	80	17,900,000
-Rainbow trout	60	1	24,970	87	36,218	7,587	61,248	7,675	163,500

Appendix 1. Fish and Fish Eggs Shipped By Region, State, National Fish Hatchery, and Species (Continued)

Region, State, National Fish Hatchery and Species (t) = Fish Transferred	Fish Shipped By Size						Total Fish Shipped		Total Eggs Shipped
	Less Than 1.5 Inches		1.5 To 5.5 Inches		Greater Than 5.5 Inches				
	Number	Weight (Pounds)	Number	Weight (Pounds)	Number	Weight (Pounds)	Number	Weight (Pounds)	Number
Region 3 (Continued)									
Wisconsin (Continued)									
Genoa NFH (Continued)									
-Sauger	454,010	4					454,010	4	2,086,000
-Saugeye									692,000
-Smallmouth bass			31,000	20			31,000	20	
-Walleye	11,723,000	89					11,723,000	89	12,220,000
-Walleye (t)	650,000	5					650,000	5	
-White crappie			1	1	6	2	7	3	
-White sucker			4	1			4	1	
-Yellow bass					6	2	6	2	
-Yellow perch			3	1	100	20	103	21	
Total Distributed	17,578,830	192	95,752	359	43,700	10,260	17,718,282	10,811	33,111,500
Total Transfered	650,000	5					650,000	5	
Iron River NFH									
-Lake trout			1,013,746	25,626	1,211,008	62,376	2,224,754	88,002	1,389,984
-Lake trout (t)			1,080,587	9,690			1,080,587	9,690	
Total Distributed			1,013,746	25,626	1,211,008	62,376	2,224,754	88,002	1,389,984
Total Transfered			1,080,587	9,690			1,080,587	9,690	
Region 3 - Total Distributed	17,588,830	195	5,047,308	116,384	1,737,547	137,862	24,373,685	254,441	34,501,484
Region 3 - Total Transfered	1,444,590	561	3,965,658	37,127	3,829	5,624	5,414,077	43,312	
Region 3 - Total Shipped	19,033,420	756	9,012,966	153,511	1,741,376	143,486	29,787,762	297,753	34,501,484
Region 4									
Alabama									
Carbon Hill NFH									
-Channel catfish			37,986	974	6,000	600	43,986	1,574	
-Channel catfish (t)	100,000	6					100,000	6	
-Largemouth bass	87,840	57					87,840	57	

Appendix 1. Fish and Fish Eggs Shipped By Region, State, National Fish Hatchery, and Species (Continued)

Region, State, National Fish Hatchery and Species (t) = Fish Transferred	Fish Shipped By Size						Total Fish Shipped		Total Eggs Shipped
	Less Than 1.5 Inches		1.5 To 5.5 Inches		Greater Than 5.5 Inches				
	Number	Weight (Pounds)	Number	Weight (Pounds)	Number	Weight (Pounds)	Number	Weight (Pounds)	Number
Region 4 (Continued)									
Alabama (Continued)									
Carbon Hill NFH (Continued)									
-Striped bass	70,400	72	59,127	2,845	1,150	115	130,677	3,032	
-Walleye	113,100	90					113,100	90	
Total Distributed	271,340	219	97,113	3,819	7,150	715	375,603	4,753	
Total Transfered	100,000	6					100,000	6	
Arkansas									
Greers Ferry NFH									
-Rainbow trout			94,529	1,517	826,887	212,755	921,416	214,272	
Total Distributed			94,529	1,517	826,887	212,755	921,416	214,272	
Mammoth Spring NFH									
-Bluegill	370,000	370	18,000	20			388,000	390	
-Channel catfish			262,900	1,763			262,900	1,763	
-Largemouth bass			569,500	172			569,500	172	
-Redear sunfish	387,000	387	70,000	100			457,000	487	
-Saugeye			20,000	40			20,000	40	
-Smallmouth bass	50,000	20	31,000	22	82	246	81,082	288	
-Striped bass			4,050	45	222	2,260	4,272	2,305	
-Striped bass (t)	300,000	3					300,000	3	
-Walleye			286,500	442			286,500	442	
Total Distributed	807,000	777	1,261,950	2,604	304	2,506	2,069,254	5,887	
Total Transfered	300,000	3					300,000	3	
Norfork NFH									
-Brown trout					219,383	24,372	219,383	24,372	
-Cutthroat trout			60,000	1,222	122,504	9,765	182,504	10,987	
-Rainbow trout					1,706,136	460,586	1,706,136	460,586	

Appendix 1. Fish and Fish Eggs Shipped By Region, State, National Fish Hatchery, and Species (Continued)

Region, State, National Fish Hatchery and Species (t) = Fish Transferred	Fish Shipped By Size						Total Fish Shipped		Total Eggs Shipped
	Less Than 1.5 Inches		1.5 To 5.5 Inches		Greater Than 5.5 Inches				
	Number	Weight (Pounds)	Number	Weight (Pounds)	Number	Weight (Pounds)	Number	Weight (Pounds)	Number
Region 4 (Continued)									
Arkansas (Continued)									
Norfork NFH (Continued)									
Total Distributed			60,000	1,222	2,048,023	494,723	2,108,023	495,945	
Florida									
Welaka NFH									
-Bluegill			126,000	190			126,000	190	
-Carp					950	950	950	950	
-Channel catfish			5,400	91			5,400	91	
-Largemouth bass			264,100	211			264,100	211	
-Largemouth bass (t)			3,000	3			3,000	3	
-Redear sunfish			175,000	252	100	50	175,100	302	
-Striped bass	2,400,000	2	1,450,600	1,256	46,185	5,669	3,896,785	6,927	380,000
-Striped bass (t)			62,200	58	6	48	62,206	106	
Total Distributed	2,400,000	2	2,021,100	2,000	47,235	6,669	4,468,335	8,671	380,000
Total Transfered			65,200	61	6	48	65,206	109	
Georgia									
Bo Ginn NFH/AQ									
-Atlantic sturgeon									
-Atlantic sturgeon (t)					1	100	1	100	
-Bluegill	374,400	316					374,400	316	
-Bluegill (t)			1,596	42			1,596	42	
-Channel catfish			85,361	1,423	35	350	85,396	1,773	
-Channel catfish (t)	75,000	6	7,000	117			82,000	123	
-Largemouth bass			1,950	3			1,950	3	
-Redear sunfish	74,300	49					74,300	49	
-Shortnose sturgeon			3,588	14	815	169	4,403	183	
-Shortnose sturgeon (t)					106	577	106	577	
-Striped bass			77,730	523	51,802	6,290	129,532	6,813	

Appendix 1. Fish and Fish Eggs Shipped By Region, State, National Fish Hatchery, and Species (Continued)

Region, State, National Fish Hatchery and Species (t) = Fish Transferred	Fish Shipped By Size						Total Fish Shipped		Total Eggs Shipped
	Less Than 1.5 Inches		1.5 To 5.5 Inches		Greater Than 5.5 Inches				
	Number	Weight (Pounds)	Number	Weight (Pounds)	Number	Weight (Pounds)	Number	Weight (Pounds)	Number
Region 4 (Continued)									
Georgia (Continued)									
Bo Ginn NFH/AQ (Continued)									
Total Distributed	448,700	365	168,629	1,963	52,652	6,809	669,981	9,137	
Total Transfered	75,000	6	8,596	159	107	677	83,703	842	
Chattahoochee Forest NFH									
-Rainbow trout			733,850	21,863	467,509	141,088	1,201,359	162,951	
Total Distributed			733,850	21,863	467,509	141,088	1,201,359	162,951	
Warm Springs NFH									
-Striped bass	44,988	27	12	15	38	315	45,038	357	
Total Distributed	44,988	27	12	15	38	315	45,038	357	
Kentucky									
Wolf Creek NFH									
-Brown trout			37,060	736	3,617	649	40,677	1,385	
-Rainbow trout			150,350	6,707	607,453	202,570	757,803	209,277	
-Rainbow trout (t)			63,598	341			63,598	341	
Total Distributed			187,410	7,443	611,070	203,219	798,480	210,662	
Total Transfered			63,598	341			63,598	341	
Louisiana									
Natchitoches NFH									
-Blue catfish			52,503	2,291			52,503	2,291	
-Bluegill	8,700	8	1,250	3	12	18	9,962	29	
-Channel catfish			195,222	5,105			195,222	5,105	30,000
-Largemouth bass	331,711	368	11,557	523	63	225	343,331	1,116	
-Largemouth bass (t)	35,680	22					35,680	22	
-Striped bass	475,150	425	42,765	735			517,915	1,160	
-Striped bass hybrid	20,748	17	104,424	189			125,172	206	
-Striped bass hybrid (t)			92,160	192			92,160	192	

Appendix 1. Fish and Fish Eggs Shipped By Region, State, National Fish Hatchery, and Species (Continued)

Region, State, National Fish Hatchery and Species (t) = Fish Transferred	Fish Shipped By Size						Total Fish Shipped		Total Eggs Shipped
	Less Than 1.5 Inches		1.5 To 5.5 Inches		Greater Than 5.5 Inches				
	Number	Weight (Pounds)	Number	Weight (Pounds)	Number	Weight (Pounds)	Number	Weight (Pounds)	Number
Region 4 (Continued)									
Louisiana (Continued)									
Natchitoches NFH (Continued)									
Total Distributed	836,309	818	407,721	8,846	75	243	1,244,105	9,907	30,000
Total Transfered	35,680	22	92,160	192			127,840	214	
Mississippi									
Meridian NFH									
-Bluegill	954,100	954			3,500	35	957,600	989	
-Largemouth bass			407,000	462			407,000	462	
-Redear sunfish	408,900	409			1,500	15	410,400	424	
-Striped bass			638,500	1,135			638,500	1,135	
-Striped bass hybrid			12,000	15			12,000	15	
Total Distributed	1,363,000	1,363	1,057,500	1,612	5,000	50	2,425,500	3,025	
Private John Allen NFH									
-Bluegill	224,865	393	320,057	492			544,922	885	
-Channel catfish					2,100	105	2,100	105	
-Largemouth bass			210,915	197			210,915	197	
-Redear sunfish	201,435	319	137,168	269			338,603	588	
-Striped bass			160,000	50			160,000	50	
-Striped bass (t)					920	46	920	46	
Total Distributed	426,300	712	828,140	1,008	2,100	105	1,256,540	1,825	
Total Transfered					920	46	920	46	
North Carolina									
Edenton NFH									
-Shortnose sturgeon					414	114	414	114	
-Striped bass	591,153	440			115,986	10,721	707,139	11,161	
-Striped bass (t)	450,676	439					450,676	439	

Appendix 1. Fish and Fish Eggs Shipped By Region, State, National Fish Hatchery, and Species (Continued)

Region, State, National Fish Hatchery and Species (t) = Fish Transferred	Fish Shipped By Size						Total Fish Shipped		Total Eggs Shipped
	Less Than 1.5 Inches		1.5 To 5.5 Inches		Greater Than 5.5 Inches				
	Number	Weight (Pounds)	Number	Weight (Pounds)	Number	Weight (Pounds)	Number	Weight (Pounds)	Number
Region 4 (Continued)									
North Carolina (Continued)									
Edenton NFH (Continued)									
Total Distributed	591,153	440			116,400	10,835	707,553	11,275	
Total Transfered	450,676	439					450,676	439	
Mckinney Lake NFH									
-Bluegill	100,000	80	4,500	132			104,500	212	
-Largemouth bass	121,000	43	15,000	22			136,000	65	
-Striped bass	302,700	151	93,550	3,628	146,880	12,780	543,130	16,559	
-White crappie	20,000	25					20,000	25	
Total Distributed	543,700	299	113,050	3,782	146,880	12,780	803,630	16,861	
South Carolina									
Orangeburg NFH									
-Redbreast sunfish	300,000	219					300,000	219	
-Shortnose sturgeon	33,595	4			8,977	1,307	42,572	1,311	
-Striped bass	1,225,735	1,136	113,043	8,666			1,338,778	9,802	
Total Distributed	1,559,330	1,359	113,043	8,666	8,977	1,307	1,681,350	11,332	
Walhalla NFH									
-Brown trout			99,211	2,697	155,484	43,843	254,695	46,540	
-Rainbow trout			317,759	14,508	380,643	122,301	698,402	136,809	
Total Distributed			416,970	17,205	536,127	166,144	953,097	183,349	
Tennessee									
Dale Hollow NFH									
-Rainbow trout			512,088	16,043	730,710	181,762	1,242,798	197,805	
-Rainbow trout (t)			621,045	3,032			621,045	3,032	

Appendix 1. Fish and Fish Eggs Shipped By Region, State, National Fish Hatchery, and Species (Continued)

Region, State, National Fish Hatchery and Species (t) = Fish Transferred	Fish Shipped By Size: Less Than 1.5 Inches Number	Less Than 1.5 Inches Weight (Pounds)	1.5 To 5.5 Inches Number	1.5 To 5.5 Inches Weight (Pounds)	Greater Than 5.5 Inches Number	Greater Than 5.5 Inches Weight (Pounds)	Total Fish Shipped Number	Total Fish Shipped Weight (Pounds)	Total Eggs Shipped Number
Region 4 (Continued)									
Tennessee (Continued)									
Dale Hollow NFH (Continued)									
Total Distributed			512,088	16,043	730,710	181,762	1,242,798	197,805	
Total Transfered			621,045	3,032			621,045	3,032	
Erwin NFH									
-Rainbow trout			31,546	980	39,115	45,498	70,661	46,478	13,326,803
-Rainbow trout (t)			82,612	1,296			82,612	1,296	
Total Distributed			31,546	980	39,115	45,498	70,661	46,478	13,326,803
Total Transfered			82,612	1,296			82,612	1,296	
Region 4 - Total Distributed	9,291,820	6,381	8,104,651	100,588	5,646,252	1,487,523	23,042,723	1,594,492	13,736,803
Region 4 - Total Transfered	961,356	476	933,211	5,081	1,033	771	1,895,600	6,328	
Region 4 - Total Shipped	10,253,176	6,857	9,037,862	105,669	5,647,285	1,488,294	24,938,323	1,600,820	13,736,803
Region 5									
Massachusetts									
Berkshire NFH									
-Atlantic salmon									808,000
Total Distributed							0	0	808,000
North Attleboro NFH									
-Atlantic salmon	448,271	147	6,500	149	68,004	12,921	522,775	13,217	
-Striped bass			97,900	1,238			97,900	1,238	
Total Distributed	448,271	147	104,400	1,387	68,004	12,921	620,675	14,455	
Richard Cronin NSS									
-Atlantic salmon									284,958
-Atlantic salmon (t)					40	360	40	360	

Appendix 1. Fish and Fish Eggs Shipped By Region, State, National Fish Hatchery, and Species (Continued)

Region, State, National Fish Hatchery and Species (t) = Fish Transferred	Fish Shipped By Size						Total Fish Shipped		Total Eggs Shipped
	Less Than 1.5 Inches		1.5 To 5.5 Inches		Greater Than 5.5 Inches				
	Number	Weight (Pounds)	Number	Weight (Pounds)	Number	Weight (Pounds)	Number	Weight (Pounds)	Number
Region 5 (Continued)									
Massachusetts (Continued)									
Richard Cronin NSS (Continued)									
Total Distributed							0	0	284,958
Total Transfered					40	360	40	360	
Maine									
Craig Brook NFH									
-Atlantic salmon	102,242	44	58,513	3,020	121,042	12,515	281,797	15,579	2,499,776
-Landlocked Atlantic salmon					136	17	136	17	
Total Distributed	102,242	44	58,513	3,020	121,178	12,532	281,933	15,596	2,499,776
Green Lake NFH									
-Atlantic salmon	223,452	111	249,227	10,479	541,156	60,964	1,013,835	71,554	1,299,692
-Lake trout					971	90	971	90	
-Landlocked Atlantic salmon	30	1			2,166	198	2,196	199	
Total Distributed	223,482	112	249,227	10,479	544,293	61,252	1,017,002	71,843	1,299,692
New Hampshire									
Nashua NFH									
-Atlantic salmon	26,230	11	260	2	60,954	4,227	87,444	4,240	512,818
Total Distributed	26,230	11	260	2	60,954	4,227	87,444	4,240	512,818
Pennsylvania									
Allegheny NFH									
-Lake trout	150,000	30	292,940	7,720	992,112	102,940	1,435,052	110,690	696,590
-Lake trout (t)			93,500	574	1,200	1,200	94,700	1,774	
-Rainbow trout			40,000	500	59,160	31,804	99,160	32,304	

Appendix 1. Fish and Fish Eggs Shipped By Region, State, National Fish Hatchery, and Species (Continued)

Region, State, National Fish Hatchery and Species (t) = Fish Transferred	Fish Shipped By Size						Total Fish Shipped		Total Eggs Shipped
	Less Than 1.5 Inches		1.5 To 5.5 Inches		Greater Than 5.5 Inches				
	Number	Weight (Pounds)	Number	Weight (Pounds)	Number	Weight (Pounds)	Number	Weight (Pounds)	Number
Region 5 (Continued)									
Pennsylvania (Continued)									
Allegheny NFH (Continued)									
Total Distributed	150,000	30	332,940	8,220	1,051,272	134,744	1,534,212	142,994	696,590
Total Transfered			93,500	574	1,200	1,200	94,700	1,774	
Lamar NFH									
-Atlantic salmon			2,010	72	198	198	2,208	270	
-Brook trout					41,200	15,426	41,200	15,426	
-Rainbow trout					70,978	32,821	70,978	32,821	
-Striped bass	10,000	2	135,988	3,582			145,988	3,584	
-Striped bass (t)			2,200	44			2,200	44	
Total Distributed	10,000	2	137,998	3,654	112,376	48,445	260,374	52,101	
Total Transfered			2,200	44			2,200	44	
Virginia									
Harrison Lake NFH									
-Channel catfish					3,070	307	3,070	307	
-Largemouth bass	4,600	4					4,600	4	
-Redear sunfish	121,000	55			20	13	121,020	68	
-Striped bass			55,800	96	106,139	3,823	161,939	3,919	
Total Distributed	125,600	59	55,800	96	109,229	4,143	290,629	4,298	
Vermont									
Pittsford NFH									
-Landlocked Atlantic salmon			48,633	2,886	143,249	10,838	191,882	13,724	
Total Distributed			48,633	2,886	143,249	10,838	191,882	13,724	
White River NFH									
-Atlantic salmon	521,900	224	269,169	3,132	421,596	73,209	1,212,665	76,565	

Appendix 1. Fish and Fish Eggs Shipped By Region, State, National Fish Hatchery, and Species (Continued)

Region, State, National Fish Hatchery and Species (t) = Fish Transferred	Fish Shipped By Size						Total Fish Shipped		Total Eggs Shipped
	Less Than 1.5 Inches		1.5 To 5.5 Inches		Greater Than 5.5 Inches				
	Number	Weight (Pounds)	Number	Weight (Pounds)	Number	Weight (Pounds)	Number	Weight (Pounds)	Number
Region 5 (Continued)									
Vermont (Continued)									
White River NFH (Continued)									
Total Distributed	521,900	224	269,169	3,132	421,596	73,209	1,212,665	76,565	
West Virginia									
Bowden NFH									
-Brook trout					38,271	26,971	38,271	26,971	
-Brown trout			43,831	659	7,430	4,423	51,261	5,082	
-Rainbow trout			80,036	2,445	188,031	126,464	268,067	128,909	
-Striped bass			120,145	4,702			120,145	4,702	
Total Distributed			244,012	7,806	233,732	157,858	477,744	165,664	
White Sulphur Springs NFH									
-Brook trout	60	1	32,338	556	7,093	6,570	39,491	7,127	2,939,930
-Brown trout					544	1,548	544	1,548	719,654
-Brown trout (t)					1,100	1,723	1,100	1,723	
-Rainbow trout			21,020	76	6,629	15,680	27,649	15,756	6,538,520
-Rainbow trout (t)			106,687	7,500			106,687	7,500	
Total Distributed	60	1	53,358	632	14,266	23,798	67,684	24,431	10,198,104
Total Transfered			106,687	7,500	1,100	1,723	107,787	9,223	
Region 5 - Total Distributed	1,607,785	630	1,554,310	41,314	2,880,149	543,967	6,042,244	585,911	16,299,938
Region 5 - Total Transfered			202,387	8,118	2,340	3,283	204,727	11,401	
Region 5 - Total Shipped	1,607,785	630	1,756,697	49,432	2,882,489	547,250	6,246,971	597,312	16,299,938
Region 6									
Colorado									
Hotchkiss NFH									
-Cutthroat trout			42,420	317			42,420	317	

Appendix 1. Fish and Fish Eggs Shipped By Region, State, National Fish Hatchery, and Species (Continued)

Region, State, National Fish Hatchery and Species (t) = Fish Transferred	Fish Shipped By Size						Total Fish Shipped		Total Eggs Shipped
	Less Than 1.5 Inches		1.5 To 5.5 Inches		Greater Than 5.5 Inches				
	Number	Weight (Pounds)	Number	Weight (Pounds)	Number	Weight (Pounds)	Number	Weight (Pounds)	Number
Region 6 (Continued)									
Colorado (Continued)									
Hotchkiss NFH (Continued)									
-Kokanee			66,592	190			66,592	190	
-Rainbow trout			1,922,278	92,647	322,585	61,858	2,244,863	154,505	
Total Distributed			2,031,290	93,154	322,585	61,858	2,353,875	155,012	
Leadville NFH									
-Brook trout			9,550	135			9,550	135	
-Brown trout			21,120	352			21,120	352	
-Cutthroat trout	61,000	33	22,782	52	196,081	53,373	279,863	53,458	
-Lake trout			38,362	261			38,362	261	
-Rainbow trout	5,400	3	410,036	12,971	202,713	36,800	618,149	49,774	
Total Distributed	66,400	36	501,850	13,771	398,794	90,173	967,044	103,980	
Montana									
Bozeman FTC									
-Brook trout			5,265	92			5,265	92	
-Cutthroat trout			54,794	1,752			54,794	1,752	30,000
-Golden trout			540	9			540	9	
-Rainbow trout			10,015	174	4,346	2,479	14,361	2,653	
-Walleye					2,985	257	2,985	257	
Total Distributed			70,614	2,027	7,331	2,736	77,945	4,763	30,000
Creston NFH									
-Cutthroat trout			127,900	628	4,500	452	132,400	1,080	
-Rainbow trout			672,642	17,732	407,210	149,420	1,079,852	167,152	6,779,414
Total Distributed			800,542	18,360	411,710	149,872	1,212,252	168,232	6,779,414
Ennis NFH									
-Rainbow trout			149,574	1,826	21,113	33,357	170,687	35,183	21,420,892

Appendix 1. Fish and Fish Eggs Shipped By Region, State, National Fish Hatchery, and Species (Continued)

Region, State, National Fish Hatchery and Species (t) = Fish Transferred	Fish Shipped By Size						Total Fish Shipped		Total Eggs Shipped
	Less Than 1.5 Inches		1.5 To 5.5 Inches		Greater Than 5.5 Inches				
	Number	Weight (Pounds)	Number	Weight (Pounds)	Number	Weight (Pounds)	Number	Weight (Pounds)	Number
Region 6 (Continued)									
Montana (Continued)									
Ennis NFH (Continued)									
Total Distributed			149,574	1,826	21,113	33,357	170,687	35,183	21,420,892
North Dakota									
Garrison Dam NFH									
-Black crappie	161,210	118	68,962	116			230,172	234	400,000
-Bluegill	398,358	252					398,358	252	600,000
-Brown trout			52,000	842	52,928	4,934	104,928	5,776	
-Fall chinook salmon			161,000	4,508			161,000	4,508	
-Northern pike	445,600	242	2,167,328	1,651			2,612,928	1,893	26,970,000
-Paddlefish					15,371	1,343	15,371	1,343	636,000
-Rainbow trout			775,727	34,134	120,191	23,937	895,918	58,071	
-Smallmouth bass			8,492	22			8,492	22	16,000
-Smallmouth bass (t)					76	100	76	100	
-Walleye	11,945,318	4,305	1,243,040	1,416			13,188,358	5,721	63,660,000
-Walleye (t)	576,000	8					576,000	8	
Total Distributed	12,950,486	4,917	4,476,549	42,689	188,490	30,214	17,615,525	77,820	92,282,000
Total Transfered	576,000	8			76	100	576,076	108	
Valley City/ Baldhill Dam NFH									
-Channel catfish			112,000	280			112,000	280	
-Largemouth bass	42,900	49	39,700	131			82,600	180	
-Muskellunge	55,125	3	10,720	16	13,622	584	79,467	603	
-Northern pike	60,000	2	1,091,510	1,235			1,151,510	1,237	
-Northern pike (t)	1,283,750	44					1,283,750	44	
-Smallmouth bass			84,360	228			84,360	228	
-Walleye	1,113,100	700	100,368	167	700	100	1,214,168	967	

Appendix 1. Fish and Fish Eggs Shipped By Region, State, National Fish Hatchery, and Species (Continued)

Region, State, National Fish Hatchery and Species (t) = Fish Transferred	Fish Shipped By Size: Less Than 1.5 Inches Number	Less Than 1.5 Inches Weight (Pounds)	1.5 To 5.5 Inches Number	1.5 To 5.5 Inches Weight (Pounds)	Greater Than 5.5 Inches Number	Greater Than 5.5 Inches Weight (Pounds)	Total Fish Shipped Number	Total Fish Shipped Weight (Pounds)	Total Eggs Shipped Number
Region 6 (Continued)									
North Dakota (Continued)									
Valley City/ Baldhill Dam NFH (Continued)									
Total Distributed	1,271,125	754	1,438,658	2,057	14,322	684	2,724,105	3,495	
Total Transfered	1,283,750	44					1,283,750	44	
South Dakota									
Gavins Point NFH									
-Bluegill	40,000	40			300	75	40,300	115	
-Channel catfish			389,000	4,393			389,000	4,393	
-Channel catfish (t)	150,000	13					150,000	13	
-Grass carp					430	143	430	143	
-Largemouth bass	128,000	68	7,910	103	175	40	136,085	211	
-Largemouth bass (t)			75,000	119			75,000	119	
-Northern pike	1,000,000	25					1,000,000	25	5,476,000
-Paddlefish	172,000	9			17,282	5,010	189,282	5,019	1,109,000
-Paddlefish (t)	25,000	1					25,000	1	
-Rainbow trout			6,000	169	26,500	6,138	32,500	6,307	
-Saugeye	3,892,890	103	71,100	69			3,963,990	172	4,626,000
-Shovelnose sturgeon	75,000	7					75,000	7	
-Shovelnose sturgeon (t)	20,000	1					20,000	1	
-Smallmouth bass			215,350	699			215,350	699	
-Striped bass hybrid	7,000	9					7,000	9	
-Tiger Muskie			1,700	3			1,700	3	
-Walleye	26,541,500	1,117	57,000	75			26,598,500	1,192	55,241,200
-Walleye (t)	1,575,000	13					1,575,000	13	
Total Distributed	31,856,390	1,378	748,060	5,511	44,687	11,406	32,649,137	18,295	66,452,200
Total Transfered	1,770,000	28	75,000	119			1,845,000	147	

Appendix 1. Fish and Fish Eggs Shipped By Region, State, National Fish Hatchery, and Species (Continued)

Region, State, National Fish Hatchery and Species (t) = Fish Transferred	Fish Shipped By Size						Total Fish Shipped		Total Eggs Shipped
	Less Than 1.5 Inches		1.5 To 5.5 Inches		Greater Than 5.5 Inches				
	Number	Weight (Pounds)	Number	Weight (Pounds)	Number	Weight (Pounds)	Number	Weight (Pounds)	Number
Region 6 (Continued)									
Utah									
Jones Hole NFH									
-Brook trout			6,000	92			6,000	92	
-Brook trout (t)			10,000	75			10,000	75	
-Brown trout			171,340	4,344	24,000	1,752	195,340	6,096	
-Brown trout (t)			21,000	256			21,000	256	
-Cutthroat trout			20,100	123	49,261	10,443	69,361	10,566	
-Rainbow trout			333,349	7,642	806,842	143,858	1,140,191	151,500	
-Splake					28,000	1,530	28,000	1,530	
Total Distributed			530,789	12,201	908,103	157,583	1,438,892	169,784	
Total Transfered			31,000	331			31,000	331	
Wyoming									
Jackson NFH									
-Cutthroat trout			152,913	8,089	329,572	98,256	482,485	106,345	
-Lake trout					86,933	13,740	86,933	13,740	
Total Distributed			152,913	8,089	416,505	111,996	569,418	120,085	
Saratoga NFH									
-Brown trout			1,506	102	1,034	4,031	2,540	4,133	6,096,544
-Cutthroat trout	15,843	12	252,797	5,097	29,005	6,630	297,645	11,739	708,458
-Lake trout					550	3,850	550	3,850	4,158,637
-Rainbow trout			63,713	1,160			63,713	1,160	
Total Distributed	15,843	12	318,016	6,359	30,589	14,511	364,448	20,882	10,963,639
Region 6 - Total Distributed	46,160,244	7,097	11,218,855	206,044	2,764,229	664,390	60,143,328	877,531	197,928,145
Region 6 - Total Transfered	3,629,750	80	106,000	450	76	100	3,735,826	630	
Region 6 - Total Shipped	49,789,994	7,177	11,324,855	206,494	2,764,305	664,490	63,879,154	878,161	197,928,145

Appendix 1. Fish and Fish Eggs Shipped By Region, State, National Fish Hatchery, and Species (Continued)

Region, State, National Fish Hatchery and Species (t) = Fish Transferred	Fish Shipped By Size						Total Fish Shipped		Total Eggs Shipped
	Less Than 1.5 Inches		1.5 To 5.5 Inches		Greater Than 5.5 Inches				
	Number	Weight (Pounds)	Number	Weight (Pounds)	Number	Weight (Pounds)	Number	Weight (Pounds)	Number
Grand Total Distributed	81,107,855	19,839	78,707,526	1,273,877	36,441,720	5,105,491	196,257,101	6,399,207	272,263,936
Grand Total Transfered	9,284,396	3,096	6,533,731	75,891	7,278	9,778	15,825,405	88,765	
Grand Total Shipped	90,392,251	22,935	85,241,257	1,349,768	36,448,998	5,115,269	212,082,506	6,487,972	272,263,936

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